Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) An embolic protection sheath, comprising:

an elongate shaft having a proximal end and a distal end, and a lumen extending therethrough;

a coil assembly including a first coil and a second coil, the first coil defining a lumen and being wound in a first direction; the second coil being wound in a second direction and disposed about an outer surface of the first coil; ~~and~~

wherein the coil assembly has a diameter that is larger than the diameter of the shaft; and

wherein the coil assembly is attached to the outer surface ~~disposed about at least a portion~~ of the distal end of the shaft, and the lumen of the shaft is in fluid communication with the lumen of the first coil.

2. (Original) The sheath in accordance with claim 1, wherein the first coil is multifilar.

3. (Original) The sheath in accordance with claim 1, wherein the second coil is multifilar.

4. (Original) The sheath in accordance with claim 1, wherein the first and second coils are multifilar.

5. (Original) The sheath in accordance with claim 1, wherein the first coil includes a wire having a circular cross section.

6. (Original) The sheath in accordance with claim 1, wherein the second coil includes a wire having a circular cross section.

7. (Original) The sheath in accordance with claim 1, wherein the first and second coils including wires having circular cross sections.

8. (Original) The sheath in accordance with claim 1, wherein the first coil includes a wire having a generally rectangular cross section.

9. (Original) The sheath in accordance with claim 1, wherein the second coil includes a wire having a generally rectangular cross section.

10. (Original) The sheath in accordance with claim 1, wherein the first and second coils include wires having generally rectangular cross sections.

11. (Original) The sheath in accordance with claim 1, wherein the coil assembly includes a proximal taper.

12. (Original) The sheath in accordance with claim 1, wherein the coil assembly is coated with a polymer.

13. (Original) The sheath in accordance with claim 1, wherein the coil assembly is heat bonded to the shaft.

14. (Original) The sheath in accordance with claim 1, wherein the first coil includes a polymer coated wire.

15. (Original) The sheath in accordance with claim 1, wherein the second coil includes a polymer coated wire.

16. (Currently Amended) An embolic protection sheath, comprising:

an elongate shaft having a proximal end and a distal end, and a lumen extending therethrough;

a coil assembly including a first coil and a second coil, the first coil defining a lumen and being wound in a first direction, the second coil being wound in a second direction and disposed about an outer surface of the first coil, wherein the coil assembly has a diameter that is larger than the diameter of the shaft;

wherein the coil assembly is attached to the outer surface ~~disposed about at least a portion~~ of the distal end of the shaft, and the lumen of the shaft is in fluid communication with the lumen of the first coil; and

an embolic protection device including an elongate wire and a filter attached thereto, wherein the wire is disposed at least in part in the shaft lumen.

17. (Original) The sheath in accordance with claim 16, wherein the first coil is multifilar.

18. (Original) The sheath in accordance with claim 16, wherein the second coil is multifilar.

19. (Original) The sheath in accordance with claim 16, wherein the first and second coils are multifilar.

20. (Original) The sheath in accordance with claim 16, wherein the first coil includes a wire having a circular cross section.

21. (Original) The sheath in accordance with claim 16, wherein the second coil includes a wire having a circular cross section.

22. (Original) The sheath in accordance with claim 16, wherein the first and second coils including wires having circular cross sections.

23. (Original) The sheath in accordance with claim 16, wherein the first coil includes a wire having a generally rectangular cross section.

24. (Original) The sheath in accordance with claim 16, wherein the second coil includes a wire having a generally rectangular cross section.

25. (Original) The sheath in accordance with claim 16, wherein the first and second coils include wires having generally rectangular cross sections.

26. (Original) The sheath in accordance with claim 16, wherein the coil assembly includes a proximal taper.

27. (Original) The sheath in accordance with claim 16, wherein the coil assembly is coated with a polymer.

28. (Original) The sheath in accordance with claim 16, wherein the coil assembly is heat bonded to the shaft.

29. (Original) The sheath in accordance with claim 16, wherein the first coil includes a polymer coated wire.

30. (Original) The sheath in accordance with claim 16, wherein the second coil includes a polymer coated wire.

31. (Currently Amended) An embolic protection sheath, comprising:

a coil assembly including a first coil and a second coil, the first coil defining a lumen and being wound in a first direction, the second coil being wound in a second direction and disposed about an outer surface of the first coil;

wherein the coil assembly is attached to the outer surface ~~and disposed about at least a portion~~ of the distal end of a shaft, and a lumen of the shaft is in fluid communication with the lumen of the first coil; ~~and~~

wherein the coil assembly has a diameter that is larger than the diameter of the shaft; and

an embolic protection device including an elongate wire and a filter attached thereto, wherein the wire is disposed at least in part in the shaft lumen.

32. (Original) The sheath in accordance with claim 31, wherein the first coil is multifilar.

33. (Original) The sheath in accordance with claim 31, wherein the second coil is multifilar.

34. (Original) The sheath in accordance with claim 31, wherein the first and second coils are multifilar.

35. (Original) The sheath in accordance with claim 31, wherein the first coil includes a wire having a circular cross section.

36. (Original) The sheath in accordance with claim 31, wherein the second coil includes a wire having a circular cross section.

37. (Original) The sheath in accordance with claim 31, wherein the first and second coils including wires having circular cross sections.

38. (Original) The sheath in accordance with claim 31, wherein the first coil includes a wire having a generally rectangular cross section.

39. (Original) The sheath in accordance with claim 31, wherein the second coil includes a wire having a generally rectangular cross section.

40. (Original) The sheath in accordance with claim 31, wherein the first and second coils include wires having generally rectangular cross sections.

41. (Original) The assembly in accordance with claim 31, wherein the coil assembly includes a first diameter section and a second diameter section having a diameter greater than the first diameter section.

42. (Original) The sheath in accordance with claim 31, wherein the coil assembly is coated with a polymer.

43. (Original) The sheath in accordance with claim 31, wherein the first coil includes a polymer coated wire.

44. (Original) The sheath in accordance with claim 31, wherein the second coil includes a polymer coated wire.